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## WHAT IS CLAIMED IS:

- 2. The implantable biomaterial device (5) of claim 1, wherein the collagenous biomaterial (10) comprises tissue submucosa.
- 3. The implantable biomaterial device (5) of claim 2, wherein the tissue submucosa (10) comprises at least one of a porcine, bovine, and ovine submucosa.
  - 4. The implantable biomaterial device (5) of claim 3, wherein the tissue submucosa (10) further comprises the submucosa from at least one of an alimentary, genital, urinary, respiratory, and integumentary submucosa.
  - 5. The implantable biomaterial device (5) of claim 1, further comprising a pharmacologic agent (22) disposed on the collagenous biomaterial (10).
  - 6. The implantable biomaterial device (5) of claim 1, wherein the radiopaque marker (16) further comprises at least one of tantalum,
- 20 barium, iodine, and bismuth, and a derivative thereof.
  - 7. The implantable biomaterial device (5) of claim 1, wherein the radiopaque marker (16) is disposed on a serosal side (18) of a tissue submucosa (10).
- 8. The implantable biomaterial device (5) of claim 7, wherein the radiopaque marker (16) comprises tantalum.

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- 9. The implantable biomaterial device (5) of claim 1, wherein the radiopaque marker (16) comprises at least one of barium sulphate, iodine, and bismuth oxychloride (16).
- 10. The implantable biomaterial device (5) of claim 1, wherein the radiopaque marker (16) is disposed on a tissue submucosa (10).
- 11. The implantable biomaterial device (5) of claim 10, wherein the tissue submucosa (10) comprises a warm blooded vertebrate submucosa.
- 12. The implantable biomaterial device (5) of claim 11, wherein the tissue submucosa (10) comprises warm blooded vertebrate submucosa
- from at least one of an alimentary, genital, urinary, respiratory, and integumentary submucosa.
  - 13. The implantable biomaterial device (5) of claim 1, wherein the collagenous biomaterial (10) comprises a collagenous biocompatible biomaterial.
- 14. The implantable biomaterial device (5) of claim 13, wherein the radiomarker (16) comprises tantalum powder and the collagenous biomaterial (10) comprises a warm blooded vertebrate submucosa from at least one of an alimentary, genital, urinary, respiratory, and integumentary submucosa.
- 15. The implantable biomaterial device (5) of claim 14, wherein the biomaterial (10) has at least one of coiled, helical, spring-like, randomized, branched, sheet-like, tubular, spherical, and fragmented shape (13).
  - 16. The implantable biomaterial device (5) of claim 15, wherein the biomaterial (10) comprises at least one of a fluidized, comminuted,
- liquefied, suspended, gel-like, injectable, powdered, ground, sheared, and solid shape (13).
  - 17. The implantable biomaterial device (5) of claim 16, further comprising an injectable (13), coiled (13), biocompatible collagenous

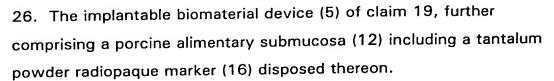
biomaterial (10) having a tantalum powder radiopaque marker (16) disposed thereon.

- 18. The implantable biomaterial device (5) of claim 1, wherein the device comprises at least one of coiled, helical, spring-like, randomized,
- 5 branched, sheet-like, tubular, spherical, and fragmented shape (13).
  - 19. A radiopaque implantable biomaterial device (5), comprising: a warm blooded vertebrate tissue submucosa (10); and a radiopaque marker (16) disposed on the tissue submucosa (10).
- 10 20. The implantable biomaterial device (5) of claim 19, wherein the warm blooded vertebrate submucosa (10) comprises at least one of bovine, porcine, and ovine submucosa (10).
  - 21. The implantable biomaterial device (5) of claim 20, wherein the tissue submucosa (10) further comprises the submucosa (10) from at
- least one of an alimentary, genital, urinary, respiratory, and integumentary submucosa (10).
  - 22. The implantable biomaterial device (5) of claim 21, wherein the tissue submucosa (10) further comprises a pharmacologic agent (22) disposed on the tissue submucosa (10).
- 23. The implantable biomaterial device (5) of claim 19, wherein the radiopaque marker (16) comprises at least one of tantalum, barium, iodine, and bismuth, and derivative thereof.
  - 24. The implantable biomaterial device (5) of claim 23, wherein the radiopaque marker (16) comprises tantalum powder.
- 25. The implantable biomaterial device (5) of claim 23, wherein the radiopaque marker (16) comprises at least one of barium sulphate, iodine, and bismuth oxychloride.

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- 27. The implantable biomaterial device (5) of claim 19, wherein the device has at least one of a coiled, helical, spring-like, randomized, branched, sheet-like, tubular, spherical, and fragmented shape (13).
- 28. The implantable biomaterial device (5) of claim 19 wherein the material comprises at least one of in the shape (13) of fluidized, comminuted, liquefied, suspended, gel-like, injectable, powdered, ground, sheared, and solid.
- 29. The implantable biomaterial device (5) of claim 19, wherein the device comprises a biocompatible tissue submucosa (10).
- 30. The implantable biomaterial device (5) of claim 29, wherein the device has an endotoxin level less than 12 endotoxin units per gram.
- 15 31. The implantable biomaterial device (5) of claim 19, wherein the device further comprises:

porcine tissue submucosa (10);

a tantalum radiopaque marker (16) disposed on the submucosa (10); and

- 20 having an endotoxin level less than 12 endotoxin units per gram.
  - 32. A radiopaque implantable biomaterial device (5), comprising:

a warm blooded vertebrate submucosa (10) from at least one of an alimentary, genital, urinary, respiratory, and integumentary submucosa;

the submucosa (10) shaped into a coil (28); and a tantalum powder radiopaque marker (16) disposed on the submucosa (10).



- 33. The implantable biomaterial device (5) of claim 32, wherein the device comprises a biocompatible submucosa (10).
- 34. The implantable biomaterial device (5) of claim 33, wherein the device has an endotoxin level less than 12 endotoxin units per gram.
- 5 35. The implantable biomaterial device (5) of claim 34, wherein the device comprises a pharmacologic agent (22) disposed on the submucosa (10).